

Title (en)

Numerically controlled screw cutting method for fine screw surface finishing.

Title (de)

Verfahren zum numerisch gesteuerten Schraubenschneiden für genaue Oberflächenendbearbeitung der Schraube.

Title (fr)

Méthode de filetage par commande numérique pour une belle finition de surface du filet.

Publication

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Application

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Priority

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Abstract (en)

A screw cutting method for use with a numerically controlled machining system is improved by enabling finer finishing of the final screw surface. The invention allows the removal of scars formed during rough machining by offsetting the position of the rough machining passes in the direction of screw cutting, i.e., in the direction of movement of the tool during cutting, so that during the final finishing pass, more material is removed from the screw surface opposing the cutting direction. Surface finish is further improved by specifically controlling the cutting depth in the cutting passes just preceding the final cutting pass. <IMAGE>

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